

**D1      Update 4/2/2014**

Total Wells	Count	UIC Type	Field
----------------	-------	-------------	-------

No. of Wells Outside Productive Limits (Primacy/MOA)                      **49**    **2**

No. of Wells Needing AE Update    **2**

Extension of Primacy/MOA Hydrocarbon Producing Aquifer	1	WF	Richfield Oil
AE of USDW	1	WD	Brea-Olinda Oil



Aquifer		TDS	Operator	Comments
Formation	Zone			

**3**

**2**

Puente	Chapman	5,562	Greka Oil & Gas	Company has hired consultant - Tom Ladd (661)203-6626, twladd@aol.com
	Breen			
Puente	1st Miocene	9,000	Linn Operating Co.	Meeting with Linn Energy in Bakersfield 3/13/14 to discuss Linn's AE needs in D2 and also in D1.



**D2**

Update 4/2/2014

Total Wells	UIC Type	Well Count	Field
-------------	----------	------------	-------

No. of Wells Outside Productive Limits (Primacy/MOA)

**138**

No. of Wells Possibly Needing AE Update

**87**

**10**

Extension of Primacy/MOA Hydrocarbon  
Producing Aquifer

**81 (34-35)**

**5 (1-2)**

WD	1	Ramona oil
WD	11	Placerita Oil
WD	2	Holser Oil
WF	1	West Montalvo Oil
WF	1	Hasley Canyon Oil
SF	3	Placerita Oil
SC	20	Placerita Oil
SC	37	Oxnard
SC	6	Oxnard

To be Determined (not sure if HC extension or  
AE of USDW or not a USDW)

**6 (1?)**

**5 (1?)**

WD	1	Ojai Oil
WD	1	Ojai Oil
<del>WD</del>	<del>1</del>	<del>Placerita Oil</del>
WD	1	Santa Clara Avenue Oil
WD	1	Eureka Canyon
WF	1	Ventura Oil

Aquifer		TDS	Operator	Comments
Formation	Zone(s)			

10 +

9

7 (2-3)

6 (1-2)

Modelo	Kern	16,800	Thompson Oil	TDS 15,000. Well shut-in
	Del Valle	9,690		
Pico	Upper Kraft	6,044	Berry Petroleum	Meeting with Linn Energy in Bakersfield 3/13/14 to discuss Linn's AE needs in D2 and also in D1.
	Lower Kraft			
Modelo	Holser	9,200	Mirada Petroleum	Producing at time of primacy
Sespe	Colonia	unk	Venoco, Inc.	under review
Modelo	Val Verde	9,800	Crimson Resources	TDS upon review was >14,000
Pico	Upper Kraft	6,044	Berry Petroleum	Meeting with Linn Energy in Bakersfield 3/13/14 to discuss Linn's AE needs in D2
	Lower Kraft			
Pico	Upper Kraft	6,000	Berry Petroleum	Meeting with Linn Energy in Bakersfield 3/13/14 to discuss Linn's AE needs in D2
	Lower Kraft			
Pico	Pliocene Tar	5,000	Vintage Production	Producing at time of primacy
Pico	Pliocene Tar	5,000	Vaca Energy	Producing at time of primacy

3 + (1?)

5 (1?)

Unk	Unk	unk	Mirada Petroleum	TDS 12,000; Well shut-in
Unk	Unk	unk	Vintage Production	TDS 19,200
<del>TBD</del>	<del>TBD</del>	<del>TBD</del>	<del>Berry Petroleum</del>	<del>New WD permitted for drilling, not sure if drilled already.</del> Part of Berry's WD in Placerita
Sespe	Monterey Sespe	unk 30,000	Vintage Production	TDS 39,000
Unk	(Upper Miocene)	2,200	TEG Oil and Gas	under review
Unk	Unk (NPB)	unk	Aera Energy	TDS 23,000

**D3**

Update 4/2/2014

Total Wells	UIC Type	Well Count	Field	Aquifer Formation
-------------	----------	------------	-------	-------------------

No. of Wells Outside Productive Limits (Primacy/MOA)

**346**

No. of Wells Possibly Needing AE Update

**252 248**

less 4 wells in Sargent Oil field TDS 18,000

Extension of Primacy/MOA

Hydrocarbon Producing Aquifer

**205 219****5**

SC	21	Lynch Canyon Oil	Monterey
SF	3	Lynch Canyon Oil	Monterey
WD	1	Lynch Canyon Oil	Monterey
SC	146	Cat Canyon Oil	Sisquoc
SC	26	Arroyo Grande Oil	Pismo
PM	1	Arroyo Grande Oil	Pismo
WD	10	Arroyo Grande Oil	Pismo
WD	7	San Ardo Oil	Monterey
WF	3	Russell Ranch Oil	Vaqueros
WD	1	Cat Canyon Oil	Sisquoc

AE of USDW

47 29 5

Possible USDW <3,000		13	
USDW >3,000		34	

WD	2	Lynch Canyon	
WD	13	San Ardo	Monterey
WD	14	San Ardo	Monterey
WD	2	San Ardo	Monterey
WD	3	San Ardo	Monterey
WD	4	San Ardo	Monterey
WD	1	San Ardo	Monterey
WD	3	Lompoc	Monterey
WD	1	Monroe Swell Oil	44
WD	1	Barham Ranch Oil	Monterey



Aquifer	TDS	Operator	Comments
Zone(s)			

5+

6

Lanigan	6,500	Eagle Petroleum	AE document substantially complete
Lanigan	6,500	Eagle Petroleum	AE document substantially complete
Lanigan	6,500	Eagle Petroleum	AE document substantially complete
Sisquoc	8,500	ERG Resources	AE document substantially complete
Dollie	1,820	Freeport-McMoran Oil	Notified. For follow-up meeting.
Dollie	1,820	Freeport-McMoran Oil	Notified. For follow-up meeting.
Dollie	1,820	Freeport-McMoran Oil	Notified. For follow-up meeting.
Aurignac	5,950 - 7,200	Aera Energy	Notified. For follow-up meeting.
Dibblee	9,000	E&B Natural Resources	Met with operators as a group last March 27, 2013.
Sisquoc	8,500	Greka Oil & Gas	Notified. For follow-up meeting.

5+

7

	Resolved - 10 wells will meet criteria bec. they were hydrocarbon producing (proj. 02806003); 3 wells are not <3,000 TDS but > 3,000 and IZ is hydrocarbon producing, should be included in the tally for Extension of Primacy/MOA HC zone
	These wells should meet the criteria of either hydrocarbon producing zone or AE of a USDW between 3,000 and 10,000 TDS.

Santa Margarita	3,800	Eagle Petroleum	AE document substantially complete
Lombardi	5,950	Chevron USA	Met with operators as a group last March 27, 2013.
Lombardi	5,950	Chevron USA	Met with operators as a group last March 27, 2013.
Lombardi	5,950	Neon Energy	Met with operators as a group last March 27, 2013.
Lombardi	5,950	Neon Energy	Met with operators as a group last March 27, 2013.
Lombardi	5,950	Neon Energy	Met with operators as a group last March 27, 2013.
Lombardi	5,950	Trio Petroleum	Met with operators as a group last March 27, 2013.
Monterey	4,800	Freeport-McMoran Oil	Notified. For follow-up meeting.
Doud	4,400	California Oil Independent	Met with operators as a group last March 27, 2013.
Monterey	5,100	Sierra Resources	Met with operators as a group last March 27, 2013.

## D4

Update 4/2/2014

### AE Documents so far submitted:

Field	Formation/Zone	Type	Operator
Poso Creek Oil	Etchegoin	SC	Hathaway
Jasmin Oil	Cantleberry	SC	Hathaway
Kern Front Oil	Chanac	SC	Hathaway
Kern Front Oil	Etchegoin	SC	Hathaway
Edison Oil	Chanac	SC	Naftex
Midway Sunset	Reef Ridge	SC	Berry
South Belridge	Tulare	WD	Aera

### Expected submissions

Elk Hills	Tulare	WD	Oxy
Cymric	Tulare		Chevron, PXP
McKittrick	Tulare		Chevron, PXP
Round Mountain	Walker		
Kern Front	Santa Margarita		
Kern River	Chanac	WD, SF, SC	
Kern River	Santa Margarita		
Poso Creek	Chanac		

### Data Review

Wells Outside Primacy Productive Limits  
Less

6127

4802

30 Operators

21 fields

Needed Exemption	Comments
Hydrocarbon zone extension	Prepared by SCS Tracer. Under review
Hydrocarbon zone extension	Prepared by SCS Tracer. Under review
Hydrocarbon zone extension	Under review
Hydrocarbon zone extension	Under review
	Prepared by SCS Tracer. Reviewed by D4/HQ and needs more work - sent back to operator
Hydrocarbon zone extension	Under review
AE of USDW	Under review

AE of USDW	AE document being prepared by San Joaquin consultants - Donna Thompson, PG 661-395-3029. Last meeting was 2/19/2014. For follow-up.
	AE document being prepared by Quad Knopf consultants - Louis Palmer 661-616-2000, last meeting 3/20/2015. Expected submission this April
	AE document being prepared by Quad Knopf consultants - Louis Palmer 661-616-2000, last meeting 3/20/2015. Expected submission this April
MacPherson, Pace	For follow-up
Badger Creek, Bellaire Oil, Hathaway, Vintage	For follow-up
Chevron USA, Vintage, Gray Development	Operators are looking into transferring injection into Olcese
	Operators are looking into transferring injection into Olcese
	For follow-up

## D5 Update 4/2/2014

Total Wells	UIC Type	Well Count	Field
-------------	----------	------------	-------

No. of Wells Outside Productive Limits (Primacy/MOA) **13**

No. of Wells Possibly Needing AE Update **2** **2**

AE of USDW

WF	1	Pyramid Hills Oil
WD	1	Van Ness Slough Oil

Aquifer		TDS	Operator	Status
Formation	Zone			

**3**

**2**

Kreyenhagen	KR	9,500	Holmes Western Oil Corporation	Water sample submitted but TDS still close to 10,000 (10,200-12,000). Operator still will apply for an AE
	Pleistocene-Pliocene	TBD	Crimson Resource Management Corp.	Operator informed and will take a fluid sample in the injection zone to determine USDW